## (19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 16 June 2005 (16.06.2005)

PCT

(10) International Publication Number WO 2005/054679 A1

(51) International Patent Classification7: 25/06

F04D 25/04,

(21) International Application Number:

PCT/EP2004/053216

- (22) International Filing Date: 1 December 2004 (01.12.2004)
- (25) Filing Language:

English

(26) Publication Language:

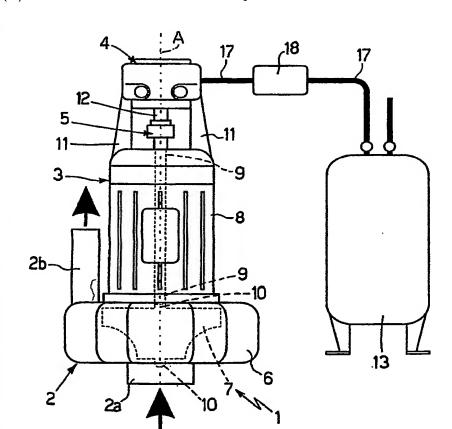
English

- (30) Priority Data: 2 December 2003 (02.12.2003) TO2003A 000966
- (71) Applicant (for all designated States except US): FA-MATEC S.p.A. [IT/IT]; Via Dell'Industria, 15 Frazione Mollaro, I-38010 Taio (IT).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): PANCHERI, Italo [IT/IT]; Frazione Preghena, 114, I-38020 Livo (IT).

- (74) Agents: JORIO, Paolo et al.; STudio Torta S.r.l., Via Viotti, 9, I-10121 Torino (IT).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: SUCTION PUMP FOR LIFTING EQUIPMENT



(57) Abstract: A suction pump (1) for lifting equipment, having an air intake device (2) for drawing in air through an intake port (2a); an electric motor (3) for rotating the air intake device (2); and a pneumatic motor (4) which is connected to the air intake device (2) by a free-wheel connecting device (5) to rotate the air intake device (2) in place of the electric motor (3).

## WO 2005/054679 A1



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.